MULTIMEDIA UNIVERSITY

STUDENT ID NO | | | | | | | | | | |

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2016/2017

MCI1013 – INTERNET APPLICATION

(All sections / Groups)

13 OCTOBER 2016
2.30 PM - 4.30 PM
(2 Hours)

INSTRUCTIONS TO THE STUDENTS

1. This Question paper consists of 3 pages including cover page with 6 Questions only.
2. Answer **FIVE** out of SIX questions. All questions carry equal marks and the distribution of the marks for each question is given.
3. Please print all your answers in the Answer Booklet provided.

Question 1

a. What do the acronyms HTTP, FTP and WWW stand for? (3 marks)

b. Explain the usage of a database for an internet application. (5 marks)

c. Discuss the issues related to providing a service on the internet. (12 marks)

(Total = 20 marks)

Question 2

a. Briefly explain Web 2.0. (3 marks)

b. State and elaborate the two approaches to web design. (5 marks)

c. For the program below, state the scope (eitheir global scope or function scope) of each of the following elements:

i) The variable *x* (3 marks)
ii) The variable *y* (3 marks)
iii) The function *cube* (3 marks)
iv) The function *output* (3 marks)

(Total = 20 marks)

```
<!DOCTYPE html>
<html>
        <head>
                <meta charset = "utf-8">
                <title>Scope</title>
                <script>
                    var x;

                    function output()
                    {
                        for (x=1; x<=10; x++)
                            document.writeln( "<p>" + cube(x) + "</p>";
                    }

                    function cube(y)
                    {
                        return y * y * y;
                    }

                    window.addEventListener ("load", output, false);
                </script>
        </head><body></body>
</html>
```

Continued...

Question 3

a. What is MVP? (3 marks)

b. Explain when compiled languages should be used instead of interpreted languages. (5 marks)

c. Discuss the usage of positioning elements in Cascading Style Sheets. (12 marks)

(Total = 20 marks)

Question 4

a. What is SaaS? Give examples. (3 marks)

b. Why is the Responsive Web Design needed? (5 marks)

c. Elaborate any four of the new HTML5 Application Programming Interfaces. Give usage examples. (12 marks)

(Total = 20 marks)

Question 5

a. In the context of web application development, explain what a framework is and what its usages are. (3 marks)

b. Discuss the statement 'HTML tags are not case sensitive'. (5 marks)

c. How does a compiler work? Describe the compiling process. (12 marks)

(Total = 20 marks)

Question 6

a. Draw a diagram to explain the components of an internet application. (3 marks)

b What are the conditional statements that can be made in Javascript? (5 marks)

c. Describe the scripting components of web application development. (12 marks)

(Total = 20 marks)

End of Paper